GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1405
ANSWERED ON:24.07.2002
PRODUCTION OF ATOMIC POWER GENERATION
JAGMEET SINGH BRAR

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) the present production of atomic energy and its share in the total power generation from different sources; and

(b) the quantum of nuclear medicines produced during the last three years?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINIST OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

(a) The present share of nuclear power is about 3% of the total power generated in the country from various sources.

(b) Quantum of major radiopharmaceuticals supplied during the last three years is given below which will give an indication of the extent of nuclear medicine practices being carried out using these products.

PRODUCT	@ 1999	@ 2000	@ 2001
Iodine-131 product for therapeutic use	301 curies	340 curies	3367 curies
Technetium-99m kit products for diagnostic studies (in vivo)	32,622 kit vials	31,242 kit vials	38,064 kit vials
Molybdenum-99 for preparation of Technetium-99m products for diagnostic studies (in vivo)	500 curies	473 curies	409 curies
Products for in vitro analysis (immunoassay)			
@ Calendar Year.	8306	7906	7738

It is estimated that typically 2.5 lakh to 3 lakh diagnostic imaging studies are performed per year and a few thousand patient treatments using radioiodine are carried out per year (for thyroid disorders). The number of patient sample analysis carried out using immunoassay kits would work out to about 5 lakh per year.